

November 2, 2005

Mr. David A. Christian
Senior Vice President and Chief Nuclear Officer
Dominion Resources Services, Inc.
Innsbrook Technical Center
5000 Dominion Blvd.
Glen Allen, VA 23060-6711

SUBJECT: MODIFICATION OF THE COOLING SYSTEM FOR DOMINION NUCLEAR
NORTH ANNA ESP SITE

Dear Mr. Christian:

By letter dated October 24, 2005, Dominion Nuclear North Anna LLC (Dominion) notified the Nuclear Regulatory Commission (NRC) of Dominion's intent to modify its approach for cooling a potential third unit from the once-through cooling system currently described in the North Anna Early Site Permit (ESP) application. In your letter, you stated that this modified approach would use a closed-cycle cooling system that will not utilize the 3,400-acre waste heat treatment facility for cooling. In addition, you stated that the evaporative loss of water from Lake Anna necessary for cooling a third unit will be reduced from that previously considered.

The staff requests that Dominion submit a revision to the ESP application and environmental report to more specifically describe the proposed changed cooling system, with a discussion of the associated environmental and safety impacts in all affected areas. Please provide a schedule for submitting a revision to the application within 14 days of receipt of this letter such that the staff can accurately assess the resources and schedule impacts of the proposed change.

The staff will evaluate Dominion's revised submission to determine if changes to the environmental impact statement (EIS) and the safety evaluation report (SER) are warranted, and will inform you of the new schedule for issuing the EIS.

If you have any questions or comments concerning this matter, you may contact Jack Cushing at (301) 415-1424 or jxc9@nrc.gov, or Nitin Patel at (301) 415-3201 or nxp1@nrc.gov.

Sincerely,

/RA/

William D. Beckner, Deputy Director
Division of New Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 52-008

cc: See next page

NORTH ANNA EARLY SITE PERMIT
SERVICE LIST

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Sincerely,

/RA/

William D. Beckner, Deputy Director
Division of New Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 52-008

cc: See next page

Distribution: See next page

ADAMS ACCESSION NUMBER: ML053000566

*See previous concurrence

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SUBJECT: MODIFICATION OF THE COOLING SYSTEM FOR DOMINION NUCLEAR NORTH ANNA ESP SITE

ORIGINATOR: N. PATEL

SECRETARY: C. NAGEL

DATE: November 2, 2005

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